

Ca-

28

A scheme for purification of diffusion juices. I. B. Mints, A. K. Karashov, N. P. Bolotov and I. E. Chukhovskii. *Nauč. Zapiski Sakharnoi Prom.*, 14, Tech. Ser., No. 3, 3-18 (1937).—Mech. filtration of the diffusion juice and preliminary cold defecation are followed by heating to 85°. At this temp. the juices are carbonated to the optimum alky. After carbonation the juices are reboiled up to 98-98.5° and are filtered, first through filter-presses and then mech. filters. The juices are reboiled again to 98-100°, are treated with 0.35-0.45% of lime (on the wt. of juices) and subjected to the 2nd carbonation to the optimum alky. and again filtered. It is preferable to use double filtration through filter-presses first and then mech. filters. The filtered juices, which do not contain free lime, are sulfited. With accurate work sulfates replace carbonates and no ppt. is formed. This procedure eliminates the scaling of evaporators. The object of a cold first defecation is to increase the rate of filtration, decrease the color of the juice and obtain max. elimination of Ca salts. The thick juices obtained by the treatment as described have a color below 5° Stammer. V. E. Barkov

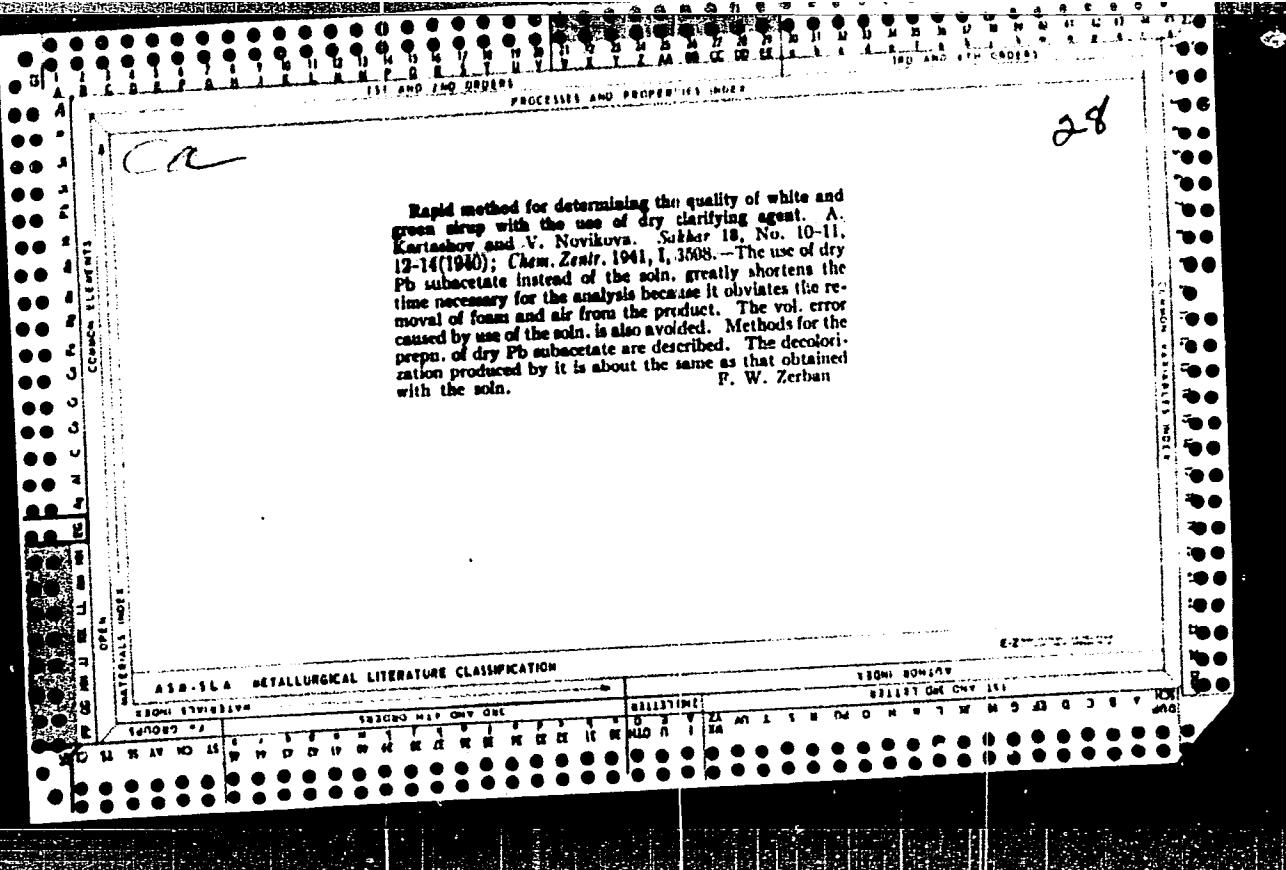
AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

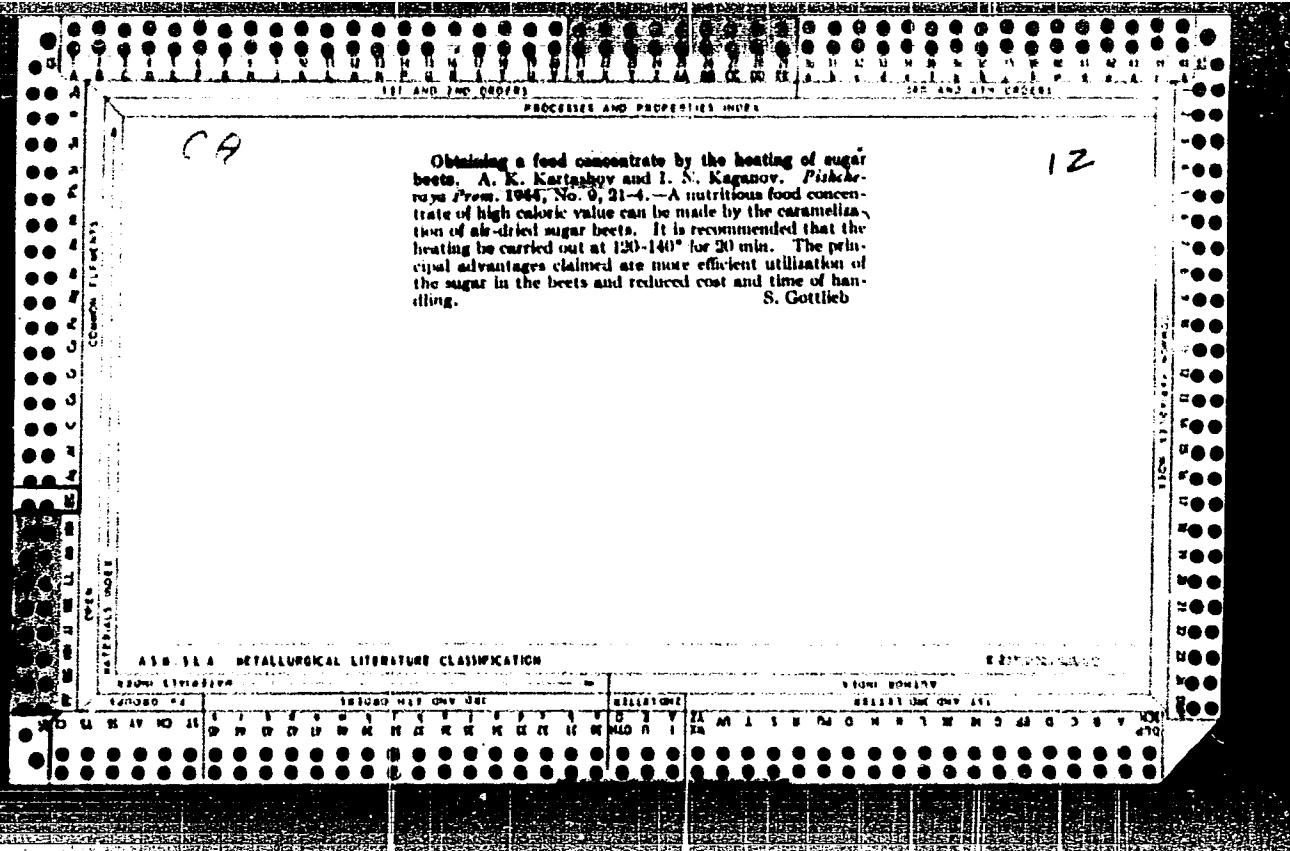
APPROVED FOR RELEASE: 06/13/2000

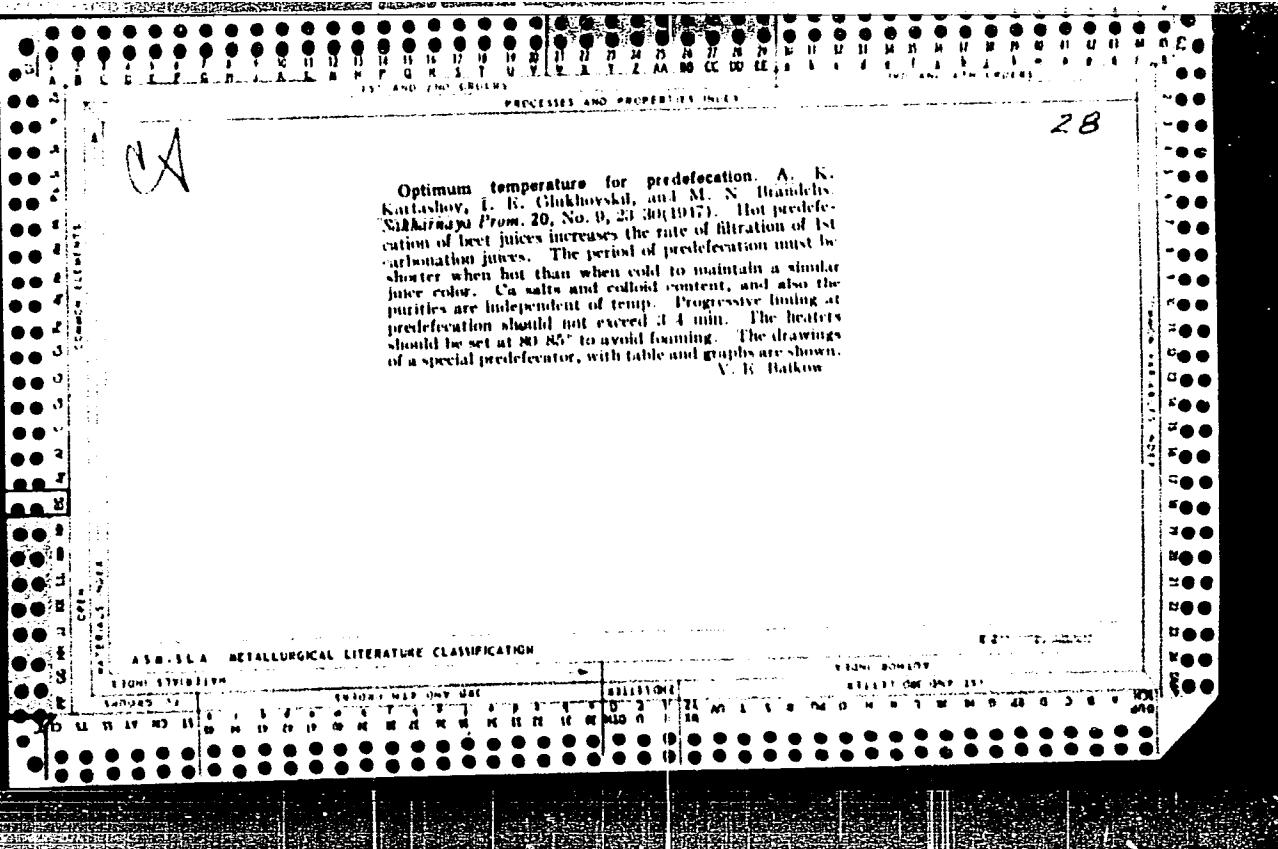
CIA-RDP86-00513R000720910020-0"

Rapid method for determining the quality of white and green syrup with the use of dry clarifying agent. A. Kartashov and V. Novikova. Sukhar 18, No. 10-11, 12-14 (1940); Chem. Zentr. 1941, I, 3608.—The use of dry Pb subacetate instead of the soln. greatly shortens the time necessary for the analysis because it obviates the removal of foam and air from the product. The vol. error caused by use of the soln. is also avoided. Methods for the prep. of dry Pb subacetate are described. The decolorization produced by it is about the same as that obtained with the soln. F. W. Zerban

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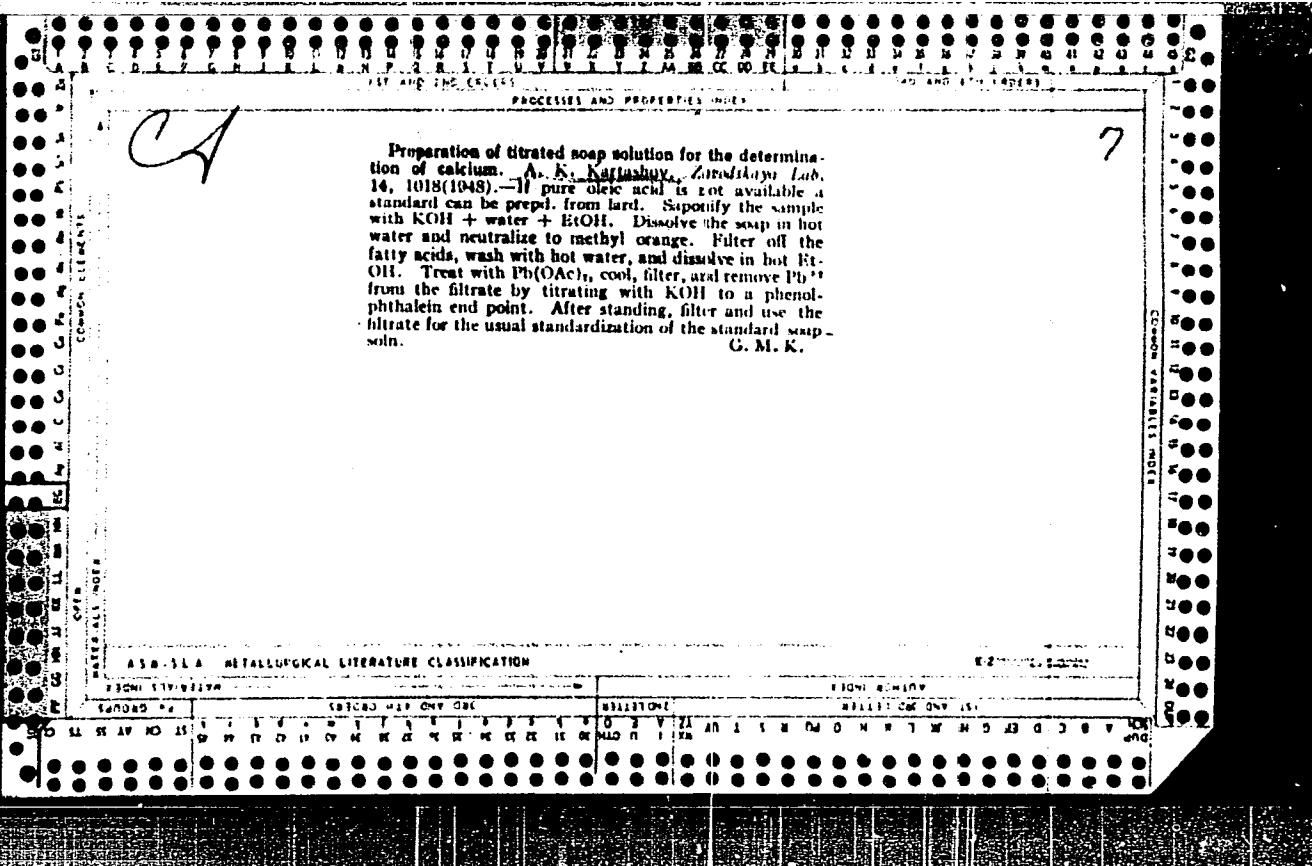






Preparation of titrated soap solution for the determination of calcium. A. K. Kartushayev, Zatokskaya Lab., 14, 1010(1938).—If pure oleic acid is not available a standard can be prepd. from lard. Saponify the sample with KOH + water + EtOH. Dissolve the soap in hot water and neutralize to methyl orange. Filter off the fatty acids, wash with hot water, and dissolve in hot EtOH. Treat with Pb(OAc)₂, cool, filter, and remove Pb²⁺ from the filtrate by titrating with KOH to a phenolphthalein end point. After standing, filter and use the filtrate for the usual standardization of the standard soap solution. G. M. K.

C. M. K.



KARPASHOV, A. K.

(3)
Apparatus for remote measuring of the density of milk of
lime. A. K. Kartashov and M. N. Brandelis [Central Sci-
Research Inst. Sugar Ind., Kiev] Sakharnaya Prom. 23,
No. 4, 22-(1940).—A measuring method employing the
principle of measuring the differential pressure originating
with the blowing of air through 2 tubes immersed in the
liquid at different depths. The error in the measurement
of the d. of the lime does not exceed $\pm 0.5^\circ$ Be. A dia-
gram of the app. and control system is provided.
Gladys S. Macy

KARTASHOV, A. K.

KARTASHOV, A. K. I. GIUKHOVSKOY, I. YE.
33223. Temperaturnyy Rezhim Na Sokoochistitel'noy Stantsii Pri Nalichii
Predvaritel'noy Defakatsii. Caxap. From-St', 1949, No. 10, c. 20-24

SO: Ietopis' Zhurnal 'nykh Statey, Vol. 45, Moskva, 1949

BA

2

Determination of colour of sugar and other sugar-industry products
with TeZ-A colorimeter. A. K. Kartashov (*Sakhar*, 75, m., 1981,
No. 5, 19-23; *Sug. Ind. Abstr.*, 1981, 18, 129).—The TeZ-A photo-
electric colorimeter, which incorporates two Se cells, is described.
P. S. ARUF.

CH

Temperature control for purification of beet juices with predigestion. A. K. Kartashov and I. B. Glukhovskii. *Sukharnaya Prom.*, No. 10, 20-41(1949).—The temp. of diffusion juice is raised to 80-8°, instead of 90°. The juice from the first carbonation is reheated up to 88-90° before it is filtered. The juice at the second carbonation must be maintained at 90-8°. The optimum alky. must be carefully maintained.
V. B. Balkow

B III - 2

BA

Control of precipitation when working with returned saturated
and unsaturated juices. A. K. Kartashov and I. E. Glukhovskii
(Sakhar. Prom., 1961, No. 10, 70-71; Sov. Ind. Abstr., 1961, 18,
(18)).—Alkalinity of returned saturated juices, and of mixed
defecated juices should, for uniformity, refer always to the alkalinity
determined after filtering the juices. P. S. Arur.

Chern A

b

Determination of color in sugar and other products of
the sugar industry with the colorimeter, "TsZ-A". A. K.
Kartashov. *Sukkerne Prog.* 25, No. 5, 19-23(1981).
Comparative expts. were conducted in order to establish a
relationship between the Stammer colorimeter and a new
("TsZ-A" photoelec. instrument. It was possible to es-
tablish comparative data with curves. However, the in-
strument has a no. of defects. If those defects could be
eliminated, the colorimeter could be used in the sugar indus-
V. E. Balkow

1951

KARTASHOV, A.K.

[107. Chromatographic method of determining raffinose in fodder molasses. A. K. Kartashov and V. A. Serdyuk (Sukher, Proc. 1951, 10, 100).]

The determinations of raffinose in beet and in molasses by de Whalley, Alcock and Gross are summarised. Tests show that satisfactory separations can be made after demineralising the diluted molasses with ion-exchange resins and using water-saturated phenol as solvent. Results are best when

the molasses is diluted to contain 2 to 5 per cent. of dry solids and the paper is spotted with <0.01 mg of raffinose. All filter-papers tested were satisfactory and constant R_f values were attained. The tests have so far been only qualitative. The best spraying reagent is a 0.3 to 0.6 per cent. soln. of 1-naphthol with 10 per cent. v/v of ortho-phosphoric acid added just before use. SUGAR IND. AUSTRIA.

Cert. for Red Star Sugar Industry

KARTASHOV, A.K.

USSR/ Agriculture - Fertilizers

Card 1/1 Pub. 138 - 4/10

Authors : Vlasyuk, P.A. Act. Memb. of Ukr. Acad. of Sc.; Kartashov, A.K.; Sirochenko, I.A. and Glukhovskiy, I.E.

Title : Effect of various potassium fertilizers on the quality and productivity of sugar beets under irrigation conditions

Periodical : Visnik AN URSR 1, 32-43, Jan 1954

Abstract : The difference in the effect of potassium sulfate and potassium chloride fertilizers, during the early stages of growth of sugar beets, is discussed. The favorable effect of potassium fertilizers on the quality and yield of sugar beets, planted in irrigated fields, is described. Tables.

Institution:

Submitted:

KARTASHOV, A. K.

rej

USSR.

Reaction of beet flus to different effects. A. K. Kartashov and E. T. Koval. Sakharnaya Prom. 29, No. 2, 12-16 (1955). - Sliding beets into longer cossettes per 100 g. of beets wounds 44% - 70% of the cells. The protective plasma of cells in finer cossettes is destroyed much faster and at lower temp. The cells in finer cossettes are completely destroyed at 60° in 5 min., while coarser cossettes require 16 min. - The beet cossettes pretreated with elec. current have a still higher no. of dead cells. V. E. Bilkov

KARTASHOV, A.K.

PARSHIKOV, M.Ya.; MAKHINYA, M.M.; SILIN, P.M.; YAPASKURT, V.V.; YEPISHIN, A.S.; SHAKIN, A.N.; ZHIDKOV, A.A.; KHELEMSKIY, M.Z.; KARTASHOV, A.K.; BENIN, G.S.; LEPESHKIN, I.P.; KRASNYUK, G.M.; ZHIVIRKO, I.S.; ZELIKMAN, I.F.; KHEYZE, N.V.

Birthday of P.V.Golovin. Sakh.prom.29 no.5:7 '55. (MLRA 8:11)
(Golovin, Pavel Vasil'evich, 1880-)

YAPASKURT, V.V.; YEPISHIN, A.S.; SHAKIN, A.N.; SILIN, P.M.; ZHIDKOV, A.A.;
KHELEMSKIY, M.Z.; SHEMYAKIN, P.N.; NOVIKOV, V.A.; POPOV, V.D.; BENIN,
G.S.; NAYDENOV, A.K.; KURBATOVA, V.S.; KARTASHOV, A.K.; YARMOLINSKIY,
A.K.; ZIBOROV, D.K.; VAYSMAN, M.L.; ZAMIROVSKIY, V.A.; SVIATENKO, M.M.

Iulii Markovich Zhvirblianskiy; obituary. Sakh.prom.29 no.6:48 '55.
(Zhvirblianskiy, Iulii Markovich, 1894-1955) (MIRA 9:1)

KARTASHOV, A.K.

Invention of a multideck clarifier by A. E. KARTASHOV and V. A. Zambrovskii (Soviet Inventor's Certificate No. 6,247 (1959). Operation of a continuous clarifier similar to a Dorr, where the height of the compartments was reduced to 800 mm., was possible because first carbonation juices contain a high percentage of dry substance and settling of the mud is much more rapid than in cane-juice clarification.

V. E. Balkow

Cent. Sci. Res. Org. Sugar & Beet Industry

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.; ZHIZHINA, R.G.; MAKSIMOVA, N.A.

Effect of centrifugal pumps on the filtration properties of the juice of first carbonation and the concentrated suspension from sefting tanks. Sakh.prom. 30 no.9:9-14 S '56. (MIRA 10:3)

1. TSentral'nyy nauchno-issledovatel'skiy insitut sakharinoi promyshlennosti.
(Centrifugal pumps) (Sugar industry)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.

Establishing optimum technical operating conditions for the
purification of diffusion juice. Sakh.prom. 30 no.10:8-12 0 '56.
(MLRA 10:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy promysh-
lennosti.

(Sugar industry)

KARTASHOV, A.K.

KARTASHOV, A.K.; MAKSIMOVA, N.A.; ZHIZHINA, R.G.

More precise complexometric determination of calcium in sugar
products. Sakh.prom.31 no.9:54-58 S '57. (MIRA 10:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy
sverkly.
(Sugar--Analysis and testing) (Calcium--Analysis) (Volumetric analysis)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.; MAKSIMOVA, N.A.; ZHIZHINA, R.G.

Total alkalinity of first carbonation juice. Sakh. prom. 32
no.2:15-19 F '58. (MIRA 11:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti.
(Sugar manufacture)

KARTASHOV, A.K.; PETRENKO, I.M., spetsred.; BUKINA, L.N., vedushchiy red.

[New operating methods in juice extracting, and refining of diffusion juice in beet-sugar manufacture] Novye metody raboty v sokodobyvanii i ochistke diffuzionnogo soka v sveklosakharnom proizvodstve. Moskva, GOSINTI, 1959. 37 p. (MIRA 13:6)
(Sugar manufacture)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.; GOPAK, A.K.

Effect of impure pond water used in diffusion on the technological indices of factory operation. Sakh.prom. 33 no.9:
11-14 S '59. (MIRA 13:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti (for Kartashov, Golovnyak). 2. Shpolyanskaya gruppovaya laboratoriya (for Gopak).
(Shpolo--Sugar manufacture) (Feed water--Purification)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.; ZHIZHINA, R.G.; MAKSIMOVA, N.A.

Use of polyelectrolytes in the sugar industry. Sakh.prom.
33 no.10:24-29 0 '59. (MIRA 13:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti. (Sugar manufacture) (Electrolytes)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.; ZHIZHINA, R.G.; MAKSIMOVA, N.A.

Effect of the reaction of water used for diffusion on the operation of the juice-purification plant. Sakh.prom. 34 no.1:
9-11 Ja '60. (MIRA 13:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti.
(Sugar manufacture)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.

Retention time of the second carbonation. Sakh.prom. 34
no.3:9-10 Mr 1960. (MIRA 13:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti.
(Sugar manufacture)

KARTASHOV, A.K.; KOSTENYUK, N.N.

Objective determination of spectral color in the products of the
sugar manufacture. Sakh.prom.35 no.3:18-20 Mr '61. (MIRA 14:3)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharinoj
promyshlennosti.
(Colorimetry) (Sugar manufacture)

KARTASHOV, A.K.

About A.G.Rychkal's article, "Some technological characteristics of the processing of slightly damaged beets, and the control of technological production processes." Sakh.prom. 35 no.4:15-17 (MIRA 14:3) Ap '61.

1. Zaveduyushchiy laboratoriyye ochistki soka TSentral'nogo nauchno-issledovatel'skogo instituta sakharinoj promyshlennosti. (Sugar manufacture) (Sugar beets) (A.G.Rychkal's)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.; ZHIZHINA, R.G.; MARSIMOVA, N.A.

Using polyacrylamide in the sugar industry. Sakh. prom. 35 no.11:
17-23 N '61. (MIRA 15:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharinoj
promyshlennosti.
(Acrylamide) (Sugar manufacture)

KARTASHOV, A. K.; GOLOVNYAK, Yu. D.

Improving the sedimentation characteristics of the first
saturation juices by the addition of diffusion and initial
beet juices. Sakh. prom. 36 no.10:14-19 0 '62.
(MIRA 15:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti.

(Sugar manufacture)

ZOTOV, V.P.; MAKHINYA, M.M.; PARSHIKOV, M.Ya.; GAVRILOV, A.N.; SILIN, P.M.;
GOLOVIN, P.V.; KHEYZE, N.V.; FUZANOV, I.F.; KHELEMSKIY, M.Z.;
YAPASKURT, V.V.; SHARKO, A.P.; SANOV, N.M.; LITVAK, I.M.; IVANOV,
S.Z.; LEPESHKIN, I.P.; KLEYMAN, B.M.; YEPISHIN, A.S.; GOLUB, S.I.;
GERASIMOV, S.I.; GEUBE, V.R.; PASHKOVSKIY, F.M.; LITVINOV, Ye.V.;
BENIN, G.S.; IVANOV, P.Ya.; VINOGRADOV, N.V.; PONOMARENKO, A.P.;
ZHIDKOV, A.A.; KOVAL', Ye.T.; KARTASHOV, A.K.; NOVIKOV, V.A.

Sixtieth birthday of A.N.Shakin, Director of the Central
Scientific Research Institute of the Sugar Industry. Sakh.
prom. 35 no.7:33 Jl '61. (MIRA 14:7)
(Shakin, Anatolii Nikitovich, 1901-)
(Sugar industry)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.; MAKSIMOVA, N.A.

Investigating the returning of an overcarbonated first saturation juice for defecation under factory conditions. Trudy TSINS no.7:19-24 '60.

1. Laboratoriya ochistki sokov i fil'tratsii TSentral'nogo nauchno-issledovatel'skogo instituta sakharnoy promyshlennosti.
(Sugar manufacture)

KARTASHOV, A.K.; ZHIZHINA, R.G.; MAKSIMOVA, N.A.,

Optimum reaction of the second carbonation juice. Trudy TSINS
(MIRA 16:2)
no. 7:25-49 '60.

1. Laboratoriya ochistki sokov i fil'tratsii TSentral'nogo
nauchno-issledovatel'skogo instituta sakharnoy promyshlennosti.
(Sugar manufacture)

KARTASHOV, A.K.; GOLOVNYAK, Yu.D.; ZHIZHINA, R.G.; MAKSIMOVA, N.A.

Testing the method of multistage defecation-saturation. Trudy
TSINS no.7:50-60 '60. (MIRA 16:2)

1. Laboratoriya ochistki sokov i fil'tratsii TSentral'nogo
nauchno-issledovatel'skogo instituta sakharinoi promyshlennosti.
(Sugar manufacture)

KARTASHOV, A.K.; IVANOVA, L.K.; MAKSIMOVA, N.A.

Determining glutamic acid content of feed molasses. Trudy TSIMS
no.7:87-102 '60. (MIRA 16:2)

1. Laboratoriya ochistki sokov i fil'tratsii TSentral'nogo
nauchno-issledovatel'skogo instituta sakharnoy promyshlennosti.
(Molasses) (Glutamic acid)

KARTASHOV, A.K.; KAGANOV, I.N., kand. tekhn. nauk, spets. red.;
SKULKOV, G.S., otv. za vyp.; DMITRIYEVA, Ye.P., otv. za
vyp.; RYBAKOVA, L.G., tekhn. red.

[New methods for the purification of diffuser juices]Novye
metody ochistki diffuzionnogo soka. Moskva, TSentr. iin-t
nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 30 p.
(MIRA 16:4)

(Sugar manufacture)

GOLOVNYK, Yu. D.; KARTASHOV, A. K.; KURILENKO, O. D.

Improving the separation of the solid phase in sugar manufacture
suspensions by means of high-molecular flocculents. Izv. vys.
ucheb. zav.; pishch. tekhn. no. 5:78-83 '62. (MIRA 15:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharinoj
promyshlennosti i Kiyevskiy tekhnologicheskiy institut pishchevoy
promyshlennosti.

(Sugar manufacture) (Flocculation)

KARTASHOV, A.K.; SKRIPLEV, V.A.; CHERNENKO, V.A.

Manufacture of filtering powder from Tripoli. Sakh.prom. 37
no.6:20-23 Je '63. (MIRA 16:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti.
(Tripoli (Mineral)) (Filters and filtration)

DOBZHITSKIY, Yan.[Robrzycki, Jan]; KATS, V.M.[translator];
KARTASHOV, A.K., red.; VOYKOVA, A.A., red.

[Juice purification in sugar manufacture. Translated from
the Polish] Ochistka sokov v sakharinem proizvodstvo. Mo-
skva, Pishchevaia promyshlennost', 1964. 206 p.
(MIRA 17:9)

SOV/86-58-8-28/37

AUTHOR: Kartashov, A.V., Guards Capt

TITLE: Are Such Combat Formations Efficient? (Ratsional'ny li takiye boyevyye poryadki?)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 8, p 80 (USSR)

ABSTRACT: The author is of the opinion that open combat formations and those echeloned according to altitude are more practical and efficient than close formations, as has been recommended by some other authors. In an open formation the wingman should fly at a altitude 50 m lower than the lead pilot, at an interval of 800 - 1000 m, and a distance of 100 m from the latter.

Card 1/1

GALITSINSKIY, P.K., zasl. agronom Uzbekskoy SSR; KARTASHOV, B.A., red.;
SALAKHUTDINOVA, A., tekhn. red.

[Best cotton varieties in the Uzbek S.S.R.] Luchshie sorta khlop-
chatnika v Uzbekskoi SSR. Tashkent, Gos.izd-vo Uzbekskoi SSR,
1960. 26 p. (MIRA 14:12)
(Uzbek—Cotton growing)

L 11226-67 EWT(d)/EWP(1) IJP(c) GG/BB/QD

ACC NR: AT6022375

SOURCE CODE: UR/0000/66/000/000/0037/0040

AUTHOR: Kartashov, D. N.; Nigay, A. A.; Petrov, V. Ya.

ORG: none

TITLE: Certain problems of the recognition of acoustic signals

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966.
Sektsiya kibernetiki. Doklady. Moscow, 1966, 37-40

TOPIC TAGS: digital electronic computer, acoustic signal, harmonic analysis, pattern recognition / Minsk-2 digital electronic computer

ABSTRACT: The article deals with the possibilities of constructing a device recognizing various acoustic signals whose characteristics display certain stationary parameters. The authors experimented with a specially built converter of acoustic signals to digital data, whose upper limit of conversion frequency was 20 kilo-cps. This converter operated on the principle of pulse-time coding and it assured the automatic insertion of digital data onto the magnetic tape of a Minsk-2 digital electronic computer, with every one-minute interval of recording being represented in the computer's memory by 1,200,000 ordinates recorded in

Card 1/2

4 11660-Q/
ACC NR: A16022375

5-unit binary code. The internal structure of the acoustic signals was analyzed according to the results of general harmonic analysis, involving the computation of a series of ordinates of the acoustic spectrum, correlation function and spectral density. If the value of each of N ordinates of this kind is regarded as a projection of a N-variate vector, then each specific acoustic signal may be referred as a pattern (thus converting it to a problem of pattern recognition) to a specific point in N-variate space of patterns. Then the space may be divided into two classes, S_I and S_{II} and the separation function for any point in the space may be computed as the difference between its distances to the regions of each of these two classes. It is concluded that linear methods of space-mapping may be employed with sufficient effectiveness for a number of comparatively simple problems of this kind. Orig. art. has: 1 figures.

SUB CODE: 06, 09, 20 / SUBM DATE: 05Mar66

ms
Card 2/2

KARTASHOV, G.D.; YAVRIYAN, A.N. (Moscow)

An extremum problem in probability theory. Teor. veroyat. i ee
pril. 10 no.3:579-584 '65.
(MIRA 18:9)

KARTASHOV, G.P. (Sergey)

Finding a functional relationship between random variables.
Teor. veroyat. i ee prim. 10 no.3:584-593 '65. (MIRA 18:9)

Kartashov, G.K.
USSR/Electricity

FD-1450

Card 1/1 : Pub. 41-4/17

Author : Kartashov, G. K., Moscow

Title: : Experiments on electrification of coal particles for beneficiation
processes

Periodical : Izv. AN SSSR. Otd. tekhn. nauk 7, 21-26, Jul 1954

Abstract : Experimentally established conditions and methods for forming positive
and negative charges on coal particles by contact of coal par-
ticles with charged and noncharged solids, the electrification being
used as a basis for separation of the above-mentioned particles.
Graphs. One reference.

Institution :

Submitted : April 22, 1954

KARTASHOV,

KARSHATOV, G.K. Cand Tech Sci (diss) "Investigation of the
phenomena of coal particles ~~electrification~~ ^{sic!} electrification as the basis for the
"electrostatistical ~~electrostatic~~ ^{sic!} enrichment of coal."
Mos, 1957. 11 pp 20 cm. (USSR Min Higher Educ Phys-Tech Inst)

120 copies

(KL, 11-57, 98)

22

TOLSTOV, Yu.G., doktor tekhn.nauk; KARTASHOV, G.K., kand.tekhn.nauk;
PYRKOV, V.V.

Model of a d.c. electric transmission system. Trudy MFTI no.4:
49-61 '59. (MIRA 13:9)

(Electric power distribution)
(Electric network analyzers)

KARTashov, G.K.

NAME & BOOK NUMBER

Sov/3827

Moscow, Fiziko-tekhnicheskiy Institut
Inzhenernye Protsessy i radioelektronika [Research in Physics and Radio
Engineering], Moscow, Oborongiz, 1959, 170 p. (Series: Itti, French,
Vol. 1) Errata slip inserted, 2,550 copies printed.

Sponsoring Agency: RIFER. Ministerstvo truda i sredstv spetsial'nogo
zonyal'naya.

Editor: N.Ya. Sazanov, Engineer; Ed. of Publishing House: S.D. Antonov,
Tech. Ed.: L.A. Garmikhina; Managing Ed.: A.S. Zavoryatova, Engineer.
Note: This book is intended for scientific workers, students in advanced
courses and engineers.

CONTENTS: This is a collection of 15 articles dealing with problems of radio
physics, electronics, quantum physics, and aerodynamics. The studies examine
the method of least squares as applied to the propagation of radio waves in
the presence of a plane function, the general conditions of stability of a
random process at the output of a linear filter while a periodic variable
radiosignal is supplied at the input of the filter, the results of experiments
with a ferromagnetic specimen with large hysteresis jumps as an explanation
of the noise mechanism in ferrromagnets at cyclic magnetization reversal,
as an experimental study of a turbulent boundary layer in a supersonic flow,
and permeabilities are mentioned. References accompany most articles.

NAME OF CONTRIBUTOR

Furshner, I.S., and V.P. Kharlamov. Similarity Between an Object and Its
Optical Image. Conditions at which the image of an object produced by an optical system
will resemble the structure of the object are determined. It is shown
that for objects of finite range a similar image is impossible. The
possible solutions in this study derive more accurately the conditions of
I.I. Mandel'shtam.

Gol'tsator, Yu.O. [Doctor of Technical Sciences, Professor]. Optimum
Power Rectifiers. Problems of manufacture and application of generation power rectifiers
are clarified. Methods of determining the operational parameters of
germanium power rectifiers as well as control methods states estimable
for those rectifiers are studied.

Gol'tsator, Yu.O. [Doctor of Technical Sciences], O.N. Karpovskii, [Candidate
of Technical Sciences], and V.V. Pytor [Candidate of Technical Sciences].
Model of Electromission of Direct Current.
This model was designed at the Vsesoyuz Institute of Physics and
Technology. The power and control systems of the model are briefly
described.

Kondratenko, B.V. Temperature Dependence of the Work Function of
Semiconductors Cathodes. Constants of Semiconductors Cathodes
A combined method of measuring the thermionic emission constants
of A and A of semiconductor cathodes is described. This method
permits measuring the work function (average for the flat and
average for the surface) for the same cathode specimens as well
as determination of the temperature coefficients of the work
functions, which facilitates interpretation of experimental results.
Preliminary data on the energy levels of semiconductor cathodes can
be obtained by making measurements over a wide temperature range.

Kruglyakov, A.Z. Problem of Emission Decline (Fattice) in an Oxide-Coated
Cathode. Experimental results showing an increase in the work function and in
the current density of the oxide-coated cathodes during a pulse are presented.
The observed change in the work function is considered a
verification of the mobile-donor hypothesis. The author thanks
I.M. Tsvetov.

NAME OF CONTRIBUTOR

Kondratenko, B.V. Methods of Determining Thermionic Emission
Constants of Semiconductor Cathodes
A combined method of measuring the thermionic emission constants
of A and A of semiconductor cathodes is described. This method
permits measuring the work function (average for the flat and
average for the surface) for the same cathode specimens as well
as determination of the temperature coefficients of the work
functions, which facilitates interpretation of experimental results.
Preliminary data on the energy levels of semiconductor cathodes can
be obtained by making measurements over a wide temperature range.

NAME OF CONTRIBUTOR

Kruglyakov, A.Z. Problem of Emission Decline (Fattice) in an Oxide-Coated
Cathode.

KARTASHOV, G. R.: BURGOV, N. A.; DAVYDOV, A. V.

"Investigations of the Form of Interaction for Beta Decay of Ne²³."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22
Feb 64.

ITEF (Inst Theoretical & Experimental Physics)

SOV-120-58-1-17/43

AUTHOR: Kartashov, G. R.

TITLE: An Amplitude Analyzer using Delay Lines (Amplitudnyy analizator s liniyami zaderzhki)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1958, Nr 1, pp 73-76 (USSR)

ABSTRACT: Amplitude analyzers should have the following characteristics: (1) stability, (2) low resolving time, (3) fast action, (4) simplicity of construction and convenience in use. The most promising analyzers at the present time (e.g. Refs. 1, 2 or 3) are those working on the principle of amplitude-time transformation. The majority of contemporary analyzers are quite complex instruments and are difficult in actual use. They involve a large number of electronic valves. A. A. Sanin et al (Ref. 4) have suggested a relatively simple and convenient method of distributing the pulses along the channels, using high quality artificial delay lines which substantially simplifies the construction of the analyzer. This scheme, when used in conjunction with a phantastron, may reduce the number of valves to as little as 12. An

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SOV-120-58-1-17/43

An Amplitude Analyzer using Delay Lines.

analyzer constructed on this principle is very stable. For example, the channel position does not shift by more than 1.5 to 2% in 8 hours. It has a resolving time of 2 μ s which is determined by the blocking circuit and the rate of recording (100 pulses/sec). The analyzer consists of the following blocks: (1) an amplifier with an expander, (2) a pulse shaping and blocking circuit, (3) a distributing circuit, (4) a recording circuit and (5) power supplies. The first 3 blocks are mounted on the common chassis and so is the supply block consisting of 3 usual stabilized rectifiers. The amplification and expander are similar to that described in Ref.4. The analyzer works with positive pulses with a duration of not less than 2 μ s and a leading edge of not more than 2 μ s. The blocking circuit is shown in Fig.1 and the distributive block, consisting of a phantastron, an amplifier, 4 blocking oscillators and a delay line is shown in Fig.2. Typical spectra - Co⁶⁰ (1.17 and 1.33 MeV) and Rb86 (1.08 MeV) obtained with this analyzer in conjunction with a NaI (Tl) scintillation counter are shown in Fig.3. The resolution is 7% in the case of the Rb⁸⁶ and 6% for the 1.33 line of

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SOV-120-58-1-17/43

An Amplitude Analyzer using Delay Lines.

Co^{60} . The analyzer is linear in energy. There are 3 figures, no tables and 4 references, of which 2 are Soviet and 2 English.

SUBMITTED: February 13, 1957.

- 1. Spectrum analyzers--Design
- 2. Spectrum analyzers--Circuits
- 3. Spectrum analyzers--Equipment
- 4. Particles--Analysis

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21(8)

AUTHORS: Burgov, N. A., Davydov, A. V., SOV/56-36-6-57/66
Kartashov, G. R.

TITLE: The Lifetime of the First Excited States of Rb⁸⁵ and Pr¹⁴¹ (Vremya zhizni pervykh vozbuздennykh sostoyaniy Rb⁸⁵ i Pr¹⁴¹)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959,
Vol 36, Nr 6, pp 1946-1947 (USSR)

ABSTRACT: A report is given on life measurements of the 150 kev level of Rb⁸⁵ and the 142 kev level of Pr¹⁴¹ carried out by the method of delayed β - γ -coincidences. The experimental arrangement consisted of two scintillation counters with tolane crystals and a FEU-33 (photo-multiplier); coincidence resolution time $2\tau_0 = 4.5 \cdot 10^{-9}$ sec. The sources used were Kr⁸⁵ and Ce¹⁴¹, obtained by the irradiation of natural krypton and cerium in a reactor. The gaseous radioactive krypton was located in a brass cylinder (3 atmospheres absolute pressure), the end of which was closed by means of a terelene foil (1 mg/cm²). The cerium source (a pulverulent oxide) was located in form of a thin layer on an Al foil. Measuring

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The Lifetime of the First Excited States of Rb⁸⁵ and Pr¹⁴¹ SOV/56-36-6-57/66

results are shown by a figure; a diagram shows the number of β - γ -coincidences ($N_{\beta\gamma}$) in dependence on the delay time. It holds that $N_{\beta\gamma} = N_0 \exp(-t/\tau_\gamma)$ if $t \gg \tau_0$. τ_γ is the average life time of an excited state emitting γ -quanta. Evaluation of the measuring results according to the method of the least squares gave the following results:

$$\tau_\gamma(\text{Rb}^{85}) = (1.14 \pm 0.12) \cdot 10^{-9} \text{ sec}, \tau_\gamma(\text{Pr}^{141}) = (2.32 \pm 0.17) \cdot 10^{-9} \text{ sec.}$$

For these two isotopes the ratio between the experimentally determined lifetime of the levels and that determined by Moszkowskii (Ref 2) is 210 and 230 respectively. There are 1 figure and 2 references.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki Akademii nauk SSSR (Institute of Theoretical and Experimental Physics of the Academy of Sciences, USSR)

SUBMITTED: March 13, 1959

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S/048/61/025/002/002/016
B117/B212

AUTHORS: Kartashov, G. R., Burgov, N. A., and Davydov, A. V.

TITLE: Form of the beta spectrum of A^{41}

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25,
no. 2, 1961, 189-193

TEXT: The present paper was read at the 11th Annual Conference on Nuclear Spectroscopy (Riga, January 25 to February 2, 1961). The authors have investigated the form of the beta spectrum for transitions on the $^{18}A^{41}$ nucleus absolutely forbidden in first order. The decay scheme of this nucleus is shown in Fig. 1 (Ref. 3). All measurements were made on a beta spectrometer free of iron with a magnetic lens (Refs. 5 and 6). The beta spectrum was investigated by using electrons which were emitted from the source at an angular interval of $40^{\circ}\text{--}75^{\circ}$ with respect to the instrument. This source was a hollow cylinder, 10 mm high and 10 mm in diameter. Its outer side was covered with a 15 mg cm^{-2} thick Terylene foil. The cylinder was filled with argon under a pressure of $300\text{--}400 \text{ mm Hg}$. This argon was spectroscopically pure and had been irradiated in a container. A scintillating

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B117/B212

Form of the beta....

plastic cylinder, height 10 mm, diameter 10 mm, with a photomultiplier of the type $\frac{1}{2}$ Y -35 (FEU-35) served as detector. The relative half-width $\Delta(H\beta)/H\beta$ of the lines was 2.4%. The pulses were fed from the FEU, via a cathode follower, to the integral discriminator and recorded by counters. Corrections for the weak constant background and for the background of gamma emission of the A^{41} source were made in the beta spectrum of the $^{18}A^{41}$ nucleus to be investigated. Two beta components may be clearly distinguished in this beta spectrum. Analysis of the soft beta spectrum shows that it has a permissible structure, i.e., for this spectrum the Fermi curve is linear for energies $E_\beta > 400$ kev. At $E_\beta < 400$ kev, there is an excess of electrons which can be explained by electron scattering in the source and on the spectrometer walls. Analysis of the partial spectrum at small energies has been made by subtracting the high-energy spectrum from the experimental spectrum. It was assumed that this spectrum had a form which is characteristic of spectra ($\Delta I = 2$, yes) absolutely forbidden in first order. In this case $N(p)dp = AF(Z, W)p^2 (W - W_0)^2 (p^2 + q^2)dp$ (3) holds;

Here, $F(W, Z)$ is the Fermi function, q the momentum of the m_0c units, W - total energy of electrons in m_0c^2 , W_0 the break-off energy of

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S/048/61/025/002/002/016
B117/B212

Form of the beta ...

the beta spectrum, in $m_e c^2$ units. In a high-energy spectrum there may occur electrons with low energies that have been scattered inside the spectrometer. In order to determine this correction the spectrum of P^{32} has been investigated. An independent analysis of the gamma-radiation energy of A^{41} for conversion electrons and for the break-off energy of the low-energy spectrum made it possible to find the break-off energy of the partial high-energy beta spectrum. The studies yielded the following results: The ground state of A^{41} and the first excited state of K^{41} showed a spin-parity characteristic. It may be assumed that the normal state of A^{41} , the first excited state of K^{41} , and the ground state of Ca^{41} have the same isotopic spin. The beta spectrum which corresponds to the transition between the normal states $A^{41} - K^{41}$ has a form that can be described by equation (3) with an accuracy of 1-1.2%, 2%, i.e., the correction to the beta spectrum as suggested by the theory of Gell-Mann-Feynman has not been confirmed. According to calculations made in Ref. 2, a correction factor of the form $(1 + \lambda W)$ has to be used for the case in question and the corrected Fermi curve of the partial high-energy beta spectrum of A^{41} must be inclined. The correction factor at the end of the spectrum must be equal to 1.02. The authors state that for this case it is possible to compensate for the

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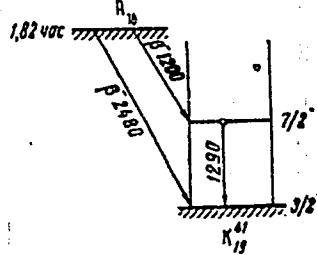
Form of the beta ...

S/048/61/025/002/002/016
B117/B212

correction since the form of the beta spectrum may be influenced by corrections due to the theory of weak interactions and also by other corrections. In order to evaluate these corrections the matrix elements have to be estimated for transitions forbidden in third order. Basically, this problem may be solved by applying the shell model. The authors thank I. S. Shapiro for discussions, V. G. Alpatov, Yu. I. Nekrasov, and A. I. Zubkov for their help in measurements. There are 5 figures and 7 references: 3 Soviet-bloc.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki Akademii nauk SSSR (Institute of Theoretical and Experimental Physics of the Academy of Sciences USSR)

Fig. 1



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S/056/61/041/005/001/038
B104/B108

AUTHORS: Burgov, N. A., Davydov, A. V., Kartashov, G. R.

TITLE: Comparative measurements of the shapes of the Au¹⁹⁸ and Zn⁶⁹
β-spectra

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41,
no. 5(11), 1961, 1337-1339

TEXT: The Au¹⁹⁸ and Zn⁶⁹ β-spectra were measured under equal conditions by means of an ironless toroidal β-spectrometer. The sources were prepared by evaporation of one drop of nitric acid solution which was put on a layer of insulin on an aluminum backing (0.6 mg/cm^2). The diameter of the sources was 25 mm. The β-spectra of three Au sources (25, 50, and $100\mu\text{g}/\text{cm}^2$) were equal for electrons of more than 80 kev within the error of measurement ($\sim 1\%$). The β-spectra of two Zn sources (50 and $100\mu\text{g}/\text{cm}^2$) both had the same shape within the error of measurement. Ten series of measurements were carried out with $50-60\mu\text{g}/\text{cm}^2$ sources. A new source in every series was used. The electron detector was an end-window counter with a mica window (1.6 mg/cm^2). The β-spectra were compared by

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Comparative measurements of ...

superposing the straight parts of the Fermi diagrams (Fig.). In the range of lower electron energies the difference between the curves is $(6.5 \pm 0.5)\%$. In the Au¹⁹⁸ β-spectrum, a shortage of low-energy electrons was found. The contribution of the Au¹⁹⁹ β-spectrum is estimated to some hundredths percent. The deviation of the zinc Fermi diagram from a straight line at low electron energies is caused by electron scattering in the β-spectrometer. The results show that the excess of low-energy electrons in the Au¹⁹⁸ β-spectra discovered by R. M. Steffen (see below) is not caused by an increase of the form factor of the β-spectrum. B. V. Geshkenbeyn and A. P. Rudik (ZhETF, 38, 1896, 1960) are mentioned. The authors thank O. N. Vasil'yeva for mathematical evaluation of the experimental results, V. G. Alpatov and Yu. I. Nekrasov for assistance in the measurements. There are 1 figure and 6 references: 4 Soviet and 2 non-Soviet. The 2 references to English-language publications read as follows: R. B. Duffield, L. M. Langer, Phys. Rev., 89, 854, 1953; R. M. Steffen, Proc. Rehovoth Conf. on Nuclear Structure, September 1957, New York, 1958, p. 419.

SUBMITTED: January 27, 1961 (initially) June 28, 1961 (after revision)

Card 2/3

L 5029-66 EWT(m) DIAAP

ACCESSION NR: AT5022316

UR/3138/64/000/314/0001/0012

AUTHOR: Kartashov, G. R.; Burgov, N. A.; Davydov, A. V.

TITLE: Investigation of a possible version of beta interactions in
beta decay of Ne²³

SOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy
energii. Institut teoreticheskoy i eksperimental'noy fiziki. Doklady,
no. 314, 1964. Issledovaniye varianta beta-vzaimodeystviya pri beta-
raspade Ne²³, 1-12

TOPIC TAGS: beta decay, beta spectroscopy, neon

ABSTRACT: A possible case of beta interactions in beta decay of Ne²³
was determined by means of experimental measurement of the cross-
section of resonance absorption of gamma-rays as a function of the
angle between the directions of electron and gamma-quantum emission.
It is claimed that this method of determination was first proposed in
1957 by one of the authors (N. A. Burgov, ZhETF, 33, 655, 1957). Later
this method was proposed independently by R. R. Lewis, R. B. Curtis
(Phys. Rev. 110, 910, 1958) and by M. Morita and R. S. Morita (Phys.
Rev. 111, 1130, 1958). The experiment involved the measurement of
beta-gamma angular correlation function. The angular dependency is

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ACCESSION NR: AT5022316

characterized by a correlation constant. A mathematical analysis of the correlation function and constants is given. The experimental device arrangement is described. It consisted of a toroidal ironless beta spectrometer, a system delivering Ne^{23} gas from reactor to spectrometer, gamma-counter, samples and computing devices. The measurement techniques are explained. A conclusion is drawn that the beta decay in question depends on an axial variant of beta interactions. The addition of tensor interaction is smaller than 20%. The authors express their gratitude to Yu. A. Nekrasov, B. M. Novikov, B. S. Gostev and V. G. Alpatov for their great assistance in carrying out extensive measurements. They belong to the staff of the Institute of Theoretical and Experimental Physics.

ASSOCIATION: none

SUBMITTED: 05Oct64

ENCL: 00

SUB CODE: NP

NO REF Sov: 004

OTHER: 005

OC
Card 2/2

1. KARTASHOV, I.
2. USSR (600)
4. Uchur Valley--Description and Travel
7. In the Uchur taiga, Vokrug sveta, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

KARTASHOV, I.,dots.

How to organize the work of students of the evening higher educational institutions. Sots.trud. no.4:137-138 Ap '58. (MIRA 11:4)

1. Luganskiy vecherniy filial Khr'kovskogo politekhnicheskogo instituta.
(Evening and continuation schools) (Student employment)

FIRSOV, L.; KARTASHOV, I.; PANOV, A.; RABIL', K.; SHOLMIN, V.; STRIZHENKO, N.

"Structural geology" by N.I. Buialov, Reviewed by L. Firsov and others.
Geol. nefti i gaza 3 no. 3:70-71 Mr '59. (MIRA 12:4)
(Geology, Structural)

TIMOLOVSKIY, V.; DASHKEVICH, S.M.; KARTASHOV, I.I., vetvrach

Experience in the organization of artificial insemination of animals.
Veterinariia 36 no.3:56-58 Mr '59. (MIRA 12:4)

1. Glavnnyy vetvrach Glavnogo upravleniya plemsovkhozov Ministerstva sel'skogo khozyaystva USSR (for Timolovskiy). 2. Glavnnyy vetvrach Verkhne-Dneprovskogo rayona Dnepropetrovskoy oblasti (for Dashkevich). 3. Lipkovatovskiy sel'khoztekhnikum Khar'kovskoy oblasti (for Kartashov).

(Ukraine--Artificial insemination)

KARTASHOV, I.N., prof.; MAKUKHIN, A.G.

Using mathematical methods in planning the production and
introduction of equipment. Vest.mashinostr. 45 no.8:70-72
Ag '65.
(MIRA 18:12)

KARTASHOV, I.M.

Relationship between the introduction of equipment and the reduction of labor consumption in the locomotive industry. Trudy
LVMI 1:11-14 '62 (MIRA 1787)

RUMYANTSEV, B.P., dots., otv. red.; GULIDA, E.N., red.; KARTASHOV,
I.N., prof., red.; KIRILLOV, Yu.G., dots., red.;
MOGIL'NYY, N.I., dots., red.; SEVRYUK, V.N., dots., red.;
STAN'KO, D.G., dots., red.; TSOY, N.G., dots., red.;
KHLUS, A.A., dots., red.; POLUBICHKO, B.V., red.

[Problems of locomotive manufacture, technology of machine
manufacture and founding] Voprosy lokomotivostroeniia,
tekhnologii mashinostroeniia i litseinogo proizvodstva.
L'vov, Izd-vo L'vovskogo univ., 1964. 126 p. (MIRA 17:10)

1. Lugansk. Mashinostroitel'nyy institut.

KARTASZOW, I.N., prof. [Kartashov, I.N.]

Methods of determining the labor consuming characteristics of the production of new types of machinery. Przegl mech 23 no. 21:618-619 10 N '64.

KARTASHOV, I.N.; MOGIL'NYY, N.I., dots., retsenzent; ANIKEYEV, V.N.,
dots., retsenzent; KOTLYAROV, Yu.L., red.

[Organizing the transition to new types of machines without
stopping the output] Organizatsiya perekhoda na novye modeli
mashin bez prekrashcheniya vypuska. L'vov, Izd-vo L'vov-
skogo univ., 1965. 239 p. (MIRA 18:10)

KOZINETS, P.V.; KARTASHOV, I.N.; KAGANOVSKIY, A.I.; GESYUK, Z.M.;
SASIN, I.F.; NAYMAN, G.M., inzh., retsenzent; LIPCHUK, A.M.,
kand. tekhn.nauk, red.; GALANOVA, M.S., red. izd-va; EL'KIND,
V.D., tekhn. red.

[Technology of diesel locomotive construction]Tekhnologija
teplovozostroeniia. [By] P.V.Kozinets i dr. Moskva, Mashgiz,
375 p. (MIR15:10)
(Diesel locomotives—Design and construction)

NAYSH, M.N., inzh.; VARMAN, T.V., inzh.; KARTASHOV, I.N., inzh.

Using special-purpose machine tools for multiple machining. Mashinostroenie no.4:28-29 Jl-Ag '63. (MIRA 17:2)

1. Luganskiy teplovozostroitel'nyy zavod (for Naysh, Varman).
2. Luganskiy vecherniy mashinostroitel'nyy institut (for Kartashov).

KARTASHOV, I.N., inzh.; GULIDA, E.N., inzh.

Vibration of a gear-milling machine set up on a foundation without fastening. Mashinostroenie no. 2:69-70 Mr-Ap '64.
(MIRA 17:5)

KARTASHOV, I.N., prof.

Determining labor consumption in the manufacture of new types of machinery. Vest.mashinostr. 44 no.1:81-82 Ja '64. (MIRA 17:4)

KARTASHOV, Iosif Pavlovich; SHILO, N.A., p.otv.red.; POTENKIN, S.V., zam.otv.
red.; ALEXANDROV, P.P., red.; APOL'YAN, F.R., red.; BAGDIN, V.P.,
red.; ZALABIN, A.I., red.; KUZNETSOV, S.G., red.; MITSUYEV, L.P., red.;
NUZHEDIN, I.I., red.; FIRSOV, L.V., red.; FOMENKO, T.G., red.;
SHAKHVAROVICH, L.A., red.

[Principles for making geomorphological prognosis maps of placer de-
posits] O printsipakh postroeniia geologo-geomorfologicheskikh prog-
noznykh kart rossypei. Magadan, 1958. 49 p. (Magadan, Vsesoiuznyi
nauchno-issledovatel'skii institut zolota i redkikh metallov. Trudy.
Geologiya, no.37).

(Ore deposits--Maps)

(MIRA 12:4)

KARTASHOV, I.P.

AUTHOR: Kartashov, I. 12-1-4/26

TITLE: Orography of the South Eastern Part of the Aldan Plateau (Orografiya yugo-vostochnoy chasti Aldanskogo nagoriya)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958,
1, pp 39-44 (USSR)

ABSTRACT: The author states that the existing topographic and geographic maps of the Aldan plateau contain inaccuracies and errors. To correct inaccurate information he presents data on the orography of this little known region, based on works by the geologists Ivanov and Stolyar and on his own investigations.
The author mentions 4 orographic types in the plateau, 1) a more or less basic plateau, 2) solitary bald peaks, which often form into groups, 3) smaller mountain ranges not divided into chains, 4) mountain ranges of complicated structure, consisting of several chains or connected peak groups.
The author gives detailed orographical descriptions of each type indicating its characteristic features.
There are 3 photographs, 1 chart and 4 Russian references.

AVAILABLE: Library of Congress
Card 1/1

SOV/3-58-11-35/38

AUTHORS: Firsov, L.V., Candidate of Geological-Mineralogical Sciences;
Kartashov, I.P., Candidate of Geographical Sciences; Panov,
A.A.; Rabil', K.M.; Sholmin, V.Ya.; Strizhenko, N.D.

TITLE: An Aid Required by Both Students and Production Workers
(Posobiye, neobkhodimoye i studentam i proizvodstvennikam)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 11, pp 92 - 94 (USSR)

ABSTRACT: This is a review of the book by Professor N.I. Buyalov,
"Structural Geology". There is 1 Soviet reference.

ASSOCIATION: Sovet narodnogo khozyaystva Magadanskogo administrativnogo
ekonomicheskogo rayona (National Economy Council of the
Magadan Administrative Economic District)

Card 1/1

KARTASHOV, I. P.

AUTHOR: Kartashov, I.P.

11-1-19/29

TITLE: About Some Geological-Geographical Terms (O nekotorykh geo-
logo-geograficheskikh termirakh)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, V. 23,
1, pp 87-90 (USSR)

ABSTRACT: The author agrees with N.I. Nikolayev, who recently published an article dealing with the imperfections of several geological-geographical terms. He wishes primarily to clarify the meanings and the use of the terms: destruktsiya - disintegration of rocks and lowering of the earth's crust by exogenous processes; denudatsiya - shifting of loose material along inclines; delyuviy - loose deposits formed as a result of denudation. There are 10 Russian references.

SUBMITTED: January 29, 1957.

AVAILABLE: Library of Congress

Card 1/1

KARTASHOV, I.P.

Orography of the southwestern part of the Aldan Plateau. Izv. Vses.
geog. ob-va 90 no.1:39-44 Ja.-F '58. (MIRA 11:4)
(Aldan Plateau--Physical geography)

KARTASHOV, I.P.

N.G. Bondarenko's pamphlet "Placer geology." Reviewed by
I.P. Kartashov. Kolymsa 21 no. 3:46-47 Mr '59. (MIRA 12:6)
(Gold ores)
(Bondarenko, N.G.)

KARTASHOV, I.P.; SHILO, N.A.

Regularities in the distribution of placers undergoing exogenetic processes. Zakon.razm.polezn.iskop. 3:304-321 '60.

(MIRA 14:11)
1. Severo-Vostochnyy kompleksnyy nauchno-issledovatel'skiy
institut Sibirskogo otdeleniya AN SSSR.
(Ore deposits)

KARTASHOV, I.P.

Facies, dynamic phases, and series of alluvium. Izv. AN SSSR.
Ser.geol. 26 no.9:77-90 S '61. (MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zolota i
redkikh metallov, Magadan.
(Alluvium)

KARTASHOV, I.P.

Origin of Lake Krasnoye. Dokl. AN SSSR 142 no.1:156-158 Ja '62.
(MIRA 14:12)

1. Severo-Vostochnyy kompleksnyy nauchno-issledovatel'skiy
institut Sibirskogo otdeleniya AN SSSR. Predstavлено akademikom
I.P. Gerasimovym.

(Krasnoye Lake region (Chukchi National Area)--Geology)

VESNIN, V.V.; VIYRA, V.I.; KARTASHOV, I.P.

History of the formation of the glacial relief in the region
of Lake Jack London. Dokl. AN SSSR 147 no.3:667-670 N '62.
(MIRA 15:12)

1. Ten'kinskaya kompleksnaya ekspeditsiya Severo-Vostochnogo
geologicheskogo upravleniya i Severo-Vostochnyy kompleksnyy
nauchno-issledovatel'skiy institut Sibirskego otdeleniya AN SSSR.
Predstavлено akademikom I.P. Gerasimovym.
(Jack London Lake region--Glacial epoch)

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